

AMENDMENT TO THE CLAIMS

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1. (Currently Amended) An image sensing apparatus comprising:

~~a radiation generating apparatus for generating radiation;~~

~~input means used for inputting at least one of an exposure preparation signal~~

~~and an exposure request signal for said radiation generator;~~

a sensor unit including which consists of a plurality of pixels for ~~detecting~~

~~an object image~~ converting radiation to an electrical signal;

a first power ~~supply circuit~~ source adapted to supply electrical power to said

sensor unit;

a signal line adapted ~~a read-out circuit adapted to read out signals from the~~

~~plurality of pixels~~ said electrical signal;

a preamplifier adapted to amplify said electrical signal read out by said

signal line;

a second power ~~supply circuit~~ source adapted to supply electrical power to

~~said read-out circuit~~ preamplifier; and

a control circuit adapted to control said second power source to start a

supply of electrical power to said preamplifier, after said first power source starts to supply

electrical power, ~~radiation generating apparatus, said sensor unit, said first power supply~~

~~circuit, said read-out circuit and said second power supply circuit;~~

wherein said first power source supplies electrical power to said sensor unit

through at least said signal line. ~~control circuit controls said second power supply circuit to~~

~~start a supply of the electrical power to said read-out circuit after or at the same time of~~

controlling said first power supply circuit to supply the electrical power to said sensor unit..

2. to 18. (Cancelled)

19. (Currently Amended) An image sensing apparatus according to Claim 1, further comprising a radiation generating apparatus for generating the radiation,
and

wherein said control circuit controls said second power source ~~supply circuit~~
so as to start supply of electrical power to said ~~read-out circuit~~ preamplifier on the basis of
a timing of receiving an exposure completion signal for said radiation generating apparatus.

20. (Currently Amended) An image sensing apparatus according to Claim 19, wherein the said exposure completion signal is generated by a radiation exposure dose monitor (AEC) in accordance ~~with~~ with a reception of radiation, ~~or by~~ or a monitor circuit for monitoring the electrical power of said radiation generating apparatus.

21. (Currently Amended) An image sensing apparatus according to Claim 1, further comprising a radiation generating apparatus for generating the radiation;
and

an exposure permission timer adapted to generate a radiation exposure permission signal for said radiation generating apparatus to generate radiation after a predetermined time elapses from supply of the electrical power ~~supply~~ from said first

power source ~~supply circuit~~ to said sensor unit, and

wherein said control circuit controls said second power source ~~supply circuit~~
so as to start a supply of electrical power to said ~~read-out circuit~~ preamplifier on the basis
of a timing of generating a radiation exposure permission signal.

22. (Currently Amended) An image sensing apparatus according to
Claim 21, wherein said exposure permission timer generates the radiation exposure
permission signal to said radiation generating apparatus to generate radiation on the basis
of a time which is required to obtain a stable state of said sensor unit.

23. (Currently Amended) An image sensing apparatus according to
Claim 21, wherein said exposure permission timer generates the radiation exposure
permission signal to said radiation generating apparatus to generate radiation on the basis
of a time which is required to obtain a stable state of an offset of said sensor unit.

24. (Previously Presented) An image sensing apparatus according to
Claim 21, wherein said exposure permission timer checks in a real time manner an offset
amount of said sensor unit, and generates the radiation exposure permission signal to said
radiation generating apparatus on the basis of the checked offset amount.

25. (Cancelled)

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26. (Currently Amended) An image sensing apparatus according to Claim 1, wherein said control circuit controls ~~said read-out circuit~~ to read-out a data from said sensor unit, and controls said second power source supply circuit so as to stop a supply of electrical power to said ~~read-out circuit~~ preamplifier on the basis of a timing of the completion of ~~[[a]]~~ the read-out operation.

27. (Currently Amended) An image sensing apparatus according to Claim 1, further comprising a radiation generating apparatus for generating radiation, and wherein said control circuit controls said first power source supply circuit so as to start a supply of electrical power to said sensor unit on the basis of a timing of inputting the exposure preparation signal.

28. (Currently Amended) An image sensing apparatus according to Claim 27, wherein said control circuit controls said sensor unit so as to start an offset correction on the basis of the timing of ~~inputting~~ outputting the exposure preparation signal, and said radiation generating apparatus so as to expose the radiation at a timing of completing the offset correction.

29. (Currently Amended) An image sensing apparatus according to Claim ~~[[26]]~~ 27, wherein said control circuit controls ~~said read-out circuit~~ to read-out a data from said sensor unit, and controls said first power source supply circuit so as to stop a supply of electrical power to said read-out circuit on the basis of a timing of the completion

of [[a]] the read-out operation.

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30. (Currently Amended) An image sensing apparatus according to Claim 1, wherein said read-out circuit comprises at least one of a preamplifier, a sample hold, a multiplexer, and an A/D converter, and

said control circuit controls said second power source to supply electrical power to one or more of said sample hold, said multiplexer, and said A/D converter on the basis of a timing of a supply of electrical power to said preamplifier.

31. (New) An image sensing apparatus according to Claim 1, further comprising, a radiation generating apparatus for generating radiating; and

input means adapted to input an exposure preparation signal or/and an exposure request signal to said radiation generating apparatus, and

wherein said control circuit controls said first power source so as to start of a supply of electrical power to said sensor unit on the basis of a timing of inputting said exposure preparation signal or said exposure request signal from said input means.
